

Receiving Report

Date:

13/4/25

Batch No:

M127583

Supplier:

CAMP1

Dart P/O:

21996

Packing Slip:

Yes ☒

No

Invoice:

Yes ☐

No

Receipt:

Cash ☐

Cr ☒

Release Note Attached:

Yes ☒

No

N/A

Waybill Attached:

Yes ☐

No ☒

N/A

Shipment Complete:

Yes ☒

No

N/A

QC6 Inspection

13/4/25

N/A

Work Order

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK)

Level 12

Z

Production/Admin:

Date

Received/Costing

Initial

Location

All amounts are calculated in domestic currency.

Monday, November 25, 2013 9:58:47 AM

All Vendors	PO ID PO21996	Receipt Dates from 11/25/2013 to 11/25/2013	All Line Item Types

All Item ID/GL/WOs	All Rec. Employees	All Currencies
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Grouped by Vendor ID

[illegible]

BOLLINGHAUS
STEELAbnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade
EN 10204:2004 / 3.1No.: / Nr.: / Nr.:
0000084057Böllinghaus Portugal Aços Especiais, SA
DIN EN ISO 9001:2008
TV CERT No. 01 100 030458Unsere interne Verweisung / Our int. Ref / ref int
5700000296 000050Datum / Date / Data
17.10.2012

Normen / Standards / Normas

AISI 630/17-4PH, tol. acc. to ASTM A484/A484M-11, specifications acc. to: ASTM A370-11a, A564/A564M-10, E370, AMS 5643R, ASME SA 370, SI 564, ASTM F899-11.

Kunde / Customer / Cliente

Endgültiger Kunde / Final Customer / Cliente Final

Bestell Nr./Order Nr./Enc.Nr.

C20423AM007

Bestell Nr./Order Nr./Enc.Nr.

P20423AM007

Prüfgegenstand / Product / Produto

Gewicht / Weight / Peso

Bunde / Bundle / Atados

AISI T630 FLAT 2 x 1 1/2"

6,110 lb

06

Werkstoff-Nr.
Material-no.
Qualidade

1.4542

Werkstoff-Normbezeichnung / Material standard grade / N...
630

Beschreibung / Description / Descrição

Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled.
USDFAR 252,225-7014: MELT SOURCE: Germany / MFG: Portugal.

OK 13/11/25

Schmelze-Nr.
Cast n./Fusion nr.

427620

Chemische Analyse in % / Chemical composition in % / Análise química em %

C:	0.027	Si:	0.420	Mn:	0.580	P:	0.017	S:	0.002	Cr:	15.170	Ni:	4.450
Mo:	0.100	Co:	0.034	Cu:	3.050	N:	0.022	Ti:	0.001	Nb:	0.210	Ta:	0.000

Probe-Nr.
Test no.
Amostra no.

ASTM E399

Kerbschlagarbeit
Impact Test
Resistência

(Charpy V)

[J]

ASTM A370

Bruchgrenze
Yield point
Tensão Bruta

Rp 0.2 %

[Ksi]

Dehngrenze
1% point
Limite de alongamento

Rp 1.0 %

[Ksi]

Zugfestigkeit
Tensile strength
Tensão de rotura

Rm

[Ksi]

Dehnung
Elongation
Alongamento

A (ASTM 40mm)

[%]

Einschränkung
Reduction of area
Coef. Estricção

Z (ASTM 40mm)

[%]

Visuelle Kontrolle
Visual inspection
Inspeção visual

Ok

ASTM E370

Härte
Hardness
Dureza

301

[HB]

ASTM A484

Makrostruktur
Dimensional inspection
Inspeção dimensional

Ok

AMS 2315

Mikroskopische Untersuchung
Micrographic Test approved

-

Korrosionsbeständigkeit
Corrosion resistance
Corrosão intersticial

Corrosão intersticial

Werkzeugverschleißiger
Quality Control Representative
Inspector da Qualidade

David Reis

Wärmebehandlung
Heat treatment
Tratamento térmico

Solution Annealed 1900°F (1040°C)

(6 hrs)

Alterungsbehandlung
Aging Treatment
Envelhecimento

398 HB

H900 (900°F (482°C), 1 Hour) Cool in air

Bemerkungen / Remarks / Observações

Micrographic test: approved.
Material is free of mercury contamination, no weld repair done.
Material is free of radiation contamination.Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht.
We confirm that this material meets the specification according the mentioned standards.
Confirmamos que este material respeita as especificações de acordo com as normas referidas.

Walzwerke Einsal GmbH



VAT Reg. No DE123841325

Walzwerke Einsal GmbH - Post Box 20 - 56759 Nachrodt-Wiblingwerde

Schmolz+Bickenbach USA Inc.

Attn.: Mill Direct

365 Village Drive

00188-1828 Chicago Carol Stream, IL
U.S.A.

Inspection Certificate:

DIN EN 10204/3.1

Page 1

No. WZ0513-00953

of

28.06.13

Your Order No.

Shipment No.: VL13-04016

Symbol of Manufacturers



Surveyor of Inspection



Our works No.
AB13-10569

Item
20

Size

14542 Flat 101,60 x 6,35 mm 1/4 X 4"

Material Number

1.4542

Standard Grade of Material

X5CrNiCuNb16-4

Heat Number

237830

AISI 630 17-4 PH

Chemical analysis

Method of melting:

E

C % 0,026 Si % 0,43 Mn % 0,66 P % 0,022 S % 0,001 Cr % 15,4 Ni % 4,52 Mo % 0,11
Ti % 0,0045 N % 0,021 Cu % 3,08 Nb % 0,23 Nb+Ta % 0,23

Product Information

Steel bars, 14542 X5CrNiCuNb16-4 hot rolled, ASTM A 484/A484 M, solution annealed Cond. A, pickled, straightened, with short lengths see below, with stamping see below, without color marks, in bundles

Addition Information

bar length mm: 3353 - 3982 (11' - 13') short lengths: from 3050 mm (10') to max. 10 % stamping: HEAT NO.,
packaging size: ca. 1000 kg, 4 Spannerbänder / strapping stripe, quality: AISI 630 17-4 PH

additional information: WAZ mit Referenzprobe Cond. h 800, test certificate with reference specimen Cond. h 800, Stückzahl aufschreiben
Country of melt and country of manufacture: Germany im WAZ, DFAR 252.225-7014 AL 1, HB: max. 363, HRC: max. 36

Requirements

test certificate: DIN EN 10204/3.1 rev. 01/2006, tolerance of dimension/shape: ASTM A 484 rev. 2011,
request of technical delivery specification: ASTM A 564 / A 564 M rev. 2010, AMS 5643 rev. R, AMS 2303 rev. C
ASME SA 564 / SA 564 M SEC. II PART A rev. 07/2011a

Sample	PR0513-01125 Cond. A	PR0513-01129 Cond. H800			
Mechanical properties					
Rp 0,2% Mpa	1175	1328			
Rm Mpa	1291	1400			
A50%	17,3	13,2			
Z%	62,4	62,1			
Hardness					
HB	320	422			
HRC	32,6	41,8			
Structure					
Grain size	5				
Delta-FE max.	1,0%				
Remark					

The delivery corresponds to the requirements mentioned.
The certificate has been established by machine and acc. to EN 10204 it is legal
without signature.




Telephone 0 23 52 3 32-0 Telefax: 0 23 52 33 21 92

Walzwerke Einsal GmbH

QA-department

Feldmann

Surveyor of Inspection

Walzwerke Einsal GmbH		Inspection Certificate: DIN EN 10204/3.1		Page 2
VAT Reg. No DE123841325				
Walzwerke Einsal GmbH - Post Box 20 - 58766 Neutrost-Walden Schmotz+Bickenbach USA Inc. Attn.: Mill Direct 385 Village Drive 60188-1828 Chicago Carol Stream, IL U.S.A.		No. WZ0613-00983 of 28.06.13 Your Order No. Shipment No.: VL 13-04019		
		Symbol of Manufacturers 		Surveyor of Inspection 
our works No. AB13-10560	Item 20	Size 14542 Flat 101,60 x 6,35 mm 1/4 X 4"		Weight 997 KG
Material Number 14542		Standard Grade of Material X5CrNiCuNb13-3		
Heat Number 237830		AISI 630 17-4 PH		
Remark		Method of melting: E		
Country of melt:		Germany		
Country of manufacture:		Germany		
Mercury:		No contamination		
Macro and micro test:		Satisfactory		
Ta Figure:		Ta < 0,01%		
Remark:		Material was not repaired by welding.		
Solution annealed:		1040°C / air		

Handwritten signature and date: B/W/25

The delivery corresponds to the requirements mentioned.
 The certificate has been established by machine and acc. to EN 10204 it is legal
 without Signature.

Telephone 0 23 52 3 32-0 Telefax: 0 23 52 33 21 92

Walzwerke Einsal GmbH

QA-department

Feldmann

Surveyor of Inspection



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO21996

Purchase Order Date 11/8/2013
PO Print Date 11/8/2013

Page Number 1 of 4

Order From :

VC-CAM002

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

11/13/11/08

Contact Name

Vendor Phone 800 667 4248

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	M174B0.250X4.000	17-4 SS Bar .250 X 4.00	11/19/2013		36.00	\$20.35	\$732.60
			Yes		f		
			11/19/2013				

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150KSI

11/13/11/08

Line Total: \$732.60

2	M174B1.250X02.000	17-4 SS Bar 1.250 x 2.00	11/19/2013		12.00	\$56.10	\$673.20
			Yes		f		
			11/19/2013				

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150KSI

11/13/11/12

Line Total: \$673.20

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO21996

Purchase Order Date 11/8/2013

PO Print Date 11/8/2013

Page Number 2 of 4

Order From :

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M304B0.375X03.000	M304 SS bar .375 x 3.00	11/19/2013	12.00		\$9.73	\$116.72
			Yes	f			
			11/19/2013				

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$116.72

4	M6061T6B0.750X08.000	6061-T6 BAR .750" X 8.00"	11/19/2013	6.00		\$19.63	\$117.80
			Yes	f			
			11/19/2013				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$117.80

5	M6061T6B1.500X01.250	6061-T6 Bar 1.50 x 1.25	11/19/2013	24.00		\$5.66	\$135.90
			Yes	f			
			11/19/2013				

SAME AS ABOVE

Note:

11/8/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO21996

Purchase Order Date 11/8/2013

PO Print Date 11/8/2013

Page Number 3 of 4

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

				Line Total:	\$135.90
6	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	11/19/2013 Yes 11/19/2013	12.00 f	\$7.58 \$90.96
AS ABOVE					
				Line Total:	\$90.96
7	M6061T6S.125	6061-T6 .125 Sheet	11/19/2013 Yes 11/19/2013	96.00 sf	\$6.07 \$583.16
MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209					
				Line Total:	\$583.16
8	M304S20GA	304/316 .040 Sheet	11/13/2013 Yes 11/13/2013	320.00 sf	\$3.38 \$1,082.66
MATERIAL: 304/316 AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240					

Note:

11/8/2013